

aryl-aldehyde dehydrogenase (NADP+)

Cat. No. EXWM-1137

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is aryl-aldehyde:NADP⁺ oxidoreductase (ATP-forming). Other names in common use include aromatic acid reductase, and aryl-aldehyde dehydrogenase (NADP⁺).

Synonyms

aromatic acid reductase; aryl-aldehyde dehydrogenase (NADP)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.2.1.30

CAS No.

9074-94-6

Reaction

an aromatic aldehyde + NADP⁺ + AMP + diphosphate + H₂O = an aromatic acid + NADPH + H⁺ + ATP

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.